

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Application No. 09/399,696
Attorney Docket No. A8010

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method for searching for data in one or more heterogeneous data sources within a computer system, the method comprising:
receiving a request for data at a federated data source; and
selecting one of a plurality of Remote Method Invocation (RMI) servers to process the request based on a load of the RMI server and based on whether the RMI server can satisfy the request for data, said RMI server connected to one or more heterogeneous datastores,
wherein the plurality of RMI servers form a server hierarchy.
2. (previously presented): The method of claim 1, further comprising forwarding the request to the selected RMI server.
3. (previously presented): The method of claim 2, further comprising forwarding additional requests for similar data to the selected RMI server.
4. (canceled).

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5. (currently amended): The method of ~~claim 4~~ claim 1, further comprising, upon receiving a request to add an additional RMI server, connecting the additional RMI server to an existing RMI server in the server hierarchy based on a number of connections of the existing RMI server.

6. (currently amended): The method of ~~claim 4~~ claim 1, further comprising, upon receiving a request to delete an existing RMI server in the hierarchy, deleting that RMI server.

7. (currently amended): An apparatus for searching for data in one or more heterogeneous data sources, comprising:

a computer system having one or more heterogeneous data sources; and
one or more computer programs, performed by the computer system, for receiving a request for data at a federated data source and selecting one of a plurality of Remote Method Invocation (RMI) servers to process the request based on a load of the RMI server and based on whether the RMI server can satisfy the request for data, said RMI server connected to one or more heterogeneous datastores,

wherein the plurality of RMI servers form a server hierarchy.

8. (previously presented): The apparatus of claim 7, further comprising forwarding the request to the selected RMI server.

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9. (previously presented): The apparatus of claim 8, further comprising forwarding additional requests for similar data to the selected RMI server.

10. (canceled).

11. (currently amended): The apparatus of ~~claim 10~~ claim 7, further comprising, upon receiving a request to add an additional RMI server, connecting the additional RMI server to an existing RMI server in the server hierarchy based on a number of connections of the existing RMI server.

12. (currently amended): The apparatus of ~~claim 10~~ claim 7, further comprising, upon receiving a request to delete an existing RMI server in the hierarchy, deleting that RMI server.

13. (currently amended): An article of manufacture comprising a program storage medium readable by a computer system and embodying one or more instructions executable by the computer system to perform method steps for searching for data in one or more heterogeneous data sources within a computer system, the method comprising:
receiving a request for data at a federated data source; and
selecting one of a plurality of Remote Method Invocation (RMI) servers to process the request based on a load of the RMI server and based on whether the RMI server can satisfy the request for data, said RMI server connected to one or more heterogeneous datastores,

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wherein the plurality of RMI servers form a server hierarchy.

14. (previously presented): The article of manufacture of claim 13, further comprising forwarding the request to the selected RMI server.
15. (previously presented): The article of manufacture of claim 14, further comprising forwarding additional requests for similar data to the selected RMI server.
16. (canceled).
17. (currently amended): The article of manufacture of ~~claim 16~~ claim 13, further comprising, upon receiving a request to add an additional RMI server, connecting the additional RMI server to an existing RMI server in the server hierarchy based on a number of connections of the existing RMI server.
18. (currently amended): The article of manufacture of ~~claim 16~~ claim 13, further comprising, upon receiving a request to delete an existing RMI server in the hierarchy, deleting that RMI server.

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19. (previously presented): The method of claim 1, wherein said load of the RMI server is based on at least the ratio of a current load of the RMI server and a maximum load of the RMI server.

20. (previously presented): The apparatus of claim 7, wherein said load of the RMI server is based on at least the ratio of a current load of the RMI server and a maximum load of the RMI server.

21. (previously presented): The article of manufacture of claim 13, wherein said load of the RMI server is based on at least the ratio of a current load of the RMI server and a maximum load of the RMI server.

22. (canceled).

23. (canceled).

24. (canceled).